Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- (Currently Amended) An ink jet printhead comprising: a plurality of nozzles;
- a plurality of bubble forming chambers each corresponding to a respective one of the nozzles; and

a heater element and a non-heater element disposed in each of the bubble forming chambers to overlay one another with a space therebetween, the heater and non-heater elements being formed of the same heater material and each heater element being connected to corresponding electrodes so as to be in thermal contact with a bubble forming liquid in the respective bubble forming chamber, such that:

heating each heater element with said corresponding electrodes to a temperature above the boiling point of the bubble forming liquid forms a gas bubble that causes the ejection of a drop of an ejectable liquid through the nozzle corresponding to that heater element; wherein,

each heater element has a bubble nucleation section, each bubble nucleation section having a smaller cross section than the remainder of that heater element, and

each bubble forming chamber has a circular cross section and each heater element has arcuate sections that are concentric with the circular cross section.

2-4. (Canceled)

- (Original) The printhead of claim 1 wherein the bubble forming liquid and the ejectable liquid are of a common body of liquid.
- (Original) The printhead of claim 1 being configured to print on a page and to be a page-width printhead.
- (Canceled)
- (Currently Amended) The printhead of claim 1 wherein each heater element is configured such that an actuation energy of less than 500 nanojoules (nJ) is required to be

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applied to that heater element to heat that heater element sufficiently to form a saidsaid bubble in the bubble forming liquid thereby to cause the ejection of a saidsaid drop.

(Canceled)

- (Original) The printhead of claim 1 comprising a substrate having a substrate surface, wherein the areal density of the nozzles relative to the substrate surface exceeds 10,000 nozzles per square cm of substrate surface.
- (Original) The printhead of claim 1 wherein each heater element has two opposite sides and is configured such that a said gas bubble formed by that heater element is formed at both of said sides of that heater element.
- 12. (Previously Presented) The printhead of claim 1 wherein the bubble which each heater element is configured to form is collapsible and has a point of collapse, and wherein each heater element is configured such that the point of collapse of a bubble formed thereby is spaced from that heater element.
- (Original) The printhead of claim 1 comprising a structure that is formed by chemical vapor deposition (CVD), the nozzles being incorporated on the structure.
- 14. (Original) The printhead of claim 1 comprising a structure which is less than 10 microns thick, the nozzles being incorporated on the structure.

(Canceled)

- 16. (Original) The printhead of claim 1 wherein each heater element is formed of solid material more than 90% of which, by atomic proportion, is constituted by at least one periodic element having an atomic number below 50.
- 17. (Currently Amended) The printhead of claim 1 wherein each heater element includes solid material and is configured for a mass of less than 10 nanograms of the solid material of that heater element to be heated to a temperature above said boiling point thereby to heat the

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bubble forming liquid to a temperature above said boiling point to cause the ejection of a saidsaid drop.

18. (Previously Presented) The printhead of claim 1 wherein each heater element is covered by a conformal protective coating, the coating of each heater element having been applied substantially to all sides of the heater element simultaneously such that the coating is seamless.

19-54. (Canceled)